

Title (en)

Door leaf assembly with filling element of glass

Title (de)

Zusammengesetztes Türblatt mit Füllelement aus Glas

Title (fr)

Assemblage d'un panneau de porte avec plaque de remplissage en verre

Publication

**EP 1255020 A1 20021106 (EN)**

Application

**EP 01106449 A 20010323**

Priority

- EP 01106449 A 20010323
- CA 2342547 A 20010330
- TW 90200872 U 20010117

Abstract (en)

The present invention relates to the refinement of assembly structure of hubbed door leaf installed with glass, which comprises a first door skin with an opening, a second door skin with an opening, a top lacing material, a bottom lacing material, a left lacing material, a right lacing material, a handle reinforcement member and the ejected frame with multiplayer glass hold-down, wherein the door skin with opening can be manufactured to be various shapes such as square, rectangular, circle, ellipse, and semicircle depending on different mold. The characteristic is: When assembled, the lacing materials are mounted to the edges of the first door skin by the adhesive. The left and the right lacing materials are position-bonded, by ribs, to the flush-sided door skin. The top and the bottom lacing materials are positioned through the milled notches at the top and the bottom ends of the left and the right lacing materials. A reinforcement member is disposed at the handle position to enhance the mechanical strength of the handle while locked. The openings of the two door skins have halving structure to halve-joint together while assembled to form a closed cabin therebetween. The bottom lacing material is then drilled with a hole through which the ammonium polyester foaming plastic is filled into the cabin so as to finish the assembling of the said door.

IPC 1-7

**E06B 3/58**; **E06B 3/72**

IPC 8 full level

**E06B 3/58** (2006.01); **E06B 3/72** (2006.01); **E06B 3/70** (2006.01)

CPC (source: EP US)

**E06B 3/5892** (2013.01 - EP US); **E06B 3/725** (2013.01 - EP US); **E06B 2003/7023** (2013.01 - EP US); **E06B 2003/7086** (2013.01 - EP US)

Citation (applicant)

- EP 0907000 A1 19990407 - NAN YA PLASTICS CORP TAIPEI TA [TW]
- US 5887398 A 19990330 - CHEN KUEI YUNG WANG [TW]
- EP 0773342 A1 19970514 - NANYA PLASTICS CORP [TW]
- US 5894706 A 19990420 - HERBST WALTER B [US]
- US 5239799 A 19930831 - BIES SYLVESTER W [US], et al
- EP 1036908 A2 20000920 - KREYE KUNSTSTOFF B [DE]
- EP 1094192 A1 20010425 - NANYA PLASTICS CORP [TW]

Citation (search report)

- [Y] EP 0907000 A1 19990407 - NAN YA PLASTICS CORP TAIPEI TA [TW]
- [Y] US 5887398 A 19990330 - CHEN KUEI YUNG WANG [TW]
- [Y] EP 0773342 A1 19970514 - NANYA PLASTICS CORP [TW]
- [Y] US 5894706 A 19990420 - HERBST WALTER B [US]
- [A] US 5239799 A 19930831 - BIES SYLVESTER W [US], et al
- [A] EP 1036908 A2 20000920 - KREYE KUNSTSTOFF B [DE]
- [E] EP 1094192 A1 20010425 - NANYA PLASTICS CORP [TW]

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WO2005080737A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

**US 2002092254 A1 20020718**; **US 6729095 B2 20040504**; CA 2342547 A1 20020930; CA 2342547 C 20090630; EP 1255020 A1 20021106; EP 1255020 B1 20110706; TW 452005 U 20010821

DOCDB simple family (application)

**US 85359301 A 20010514**; CA 2342547 A 20010330; EP 01106449 A 20010323; TW 90200872 U 20010117